

CLAIMS

What is claimed is:

- 1 1. A biped toy that can walk on two feet, comprising:
2 symmetrically disposed leg portions and arm portions moved by a driving means in
3 the interior of a torso,
4 wherein said driving means of a motor or a power spring type is disposed in the
5 interior of said torso,
6 wherein foot portions to be rotated in a rolling direction of a toy main body are
7 positioned in the lower of said torso, and said leg portions to be driven in forward, rearward,
8 up and down directions of said toy main body are disposed therein,
9 wherein a first link member of said leg portions is driven by making circular motion
10 with maintaining a mounting angle against said torso in the interior of said leg portions and
11 said torso, and a second link mechanism of said foot portions comprises a link member which
12 is driven by moving up-and-down,
13 wherein a shift of weight of said toy main body is taken forward by a step another leg
14 portion in the situation of lifting a center of gravity of said toy main body on one leg portion,
15 wherein a step forward by a leg portion is taken by a shift of weight of said toy main
16 body by lifting a center of gravity of said toy main body on another leg portion,
17 wherein said foot portions with the shift of weight of said toy main body is driven
18 toward the rolling direction, and
19 whereby repeating a cycle of movement which shifts the center of gravity between
20 right and left of said leg portions, said toy main body can continuously walk.

1 2. A biped toy that can walk on two feet as set forth in claim 1,
2 wherein the first link member is supported by a rotatable cam and two assist cams
3 which are rotatable with and following the driving of the first member by said rotatable cam,
4 and
5 whereby a trace of movement of the first link member in profile of said main body
6 can make circular movement with remaining a mounting angle against said toy main body.